

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082625\
 Data File : VN087668.D
 Acq On : 26 Aug 2025 13:38
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Quant Time: Aug 27 01:46:49 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 22 02:55:42 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 08/27/2025
 Supervised By : Mahesh Dadoda 08/27/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.206	168	202424	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	396757	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	378748	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.771	152	193995	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	188842	45.532	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	91.060%		
35) Dibromofluoromethane	8.147	113	133097	46.463	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	92.920%		
50) Toluene-d8	10.547	98	500580	46.689	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	93.380%		
62) 4-Bromofluorobenzene	12.823	95	179702	47.130	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	94.260%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.142	85	156493	54.433	ug/l	98
3) Chloromethane	2.383	50	155861	52.753	ug/l	95
4) Vinyl Chloride	2.536	62	179227	52.318	ug/l	99
5) Bromomethane	2.965	94	85741	48.507	ug/l	95
6) Chloroethane	3.136	64	122147	50.731	ug/l	95
7) Trichlorofluoromethane	3.506	101	268002	53.397	ug/l	94
8) Diethyl Ether	3.954	74	109245	49.979	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.365	101	147699	52.007	ug/l	97
10) Methyl Iodide	4.577	142	67314	34.206	ug/l	98
11) Tert butyl alcohol	5.524	59	186711	259.317	ug/l	98
12) 1,1-Dichloroethene	4.336	96	146035	50.039	ug/l	97
13) Acrolein	4.177	56	288101	325.480	ug/l	99
14) Allyl chloride	5.012	41	241209	45.609	ug/l	96
15) Acrylonitrile	5.706	53	513562	252.911	ug/l	99
16) Acetone	4.424	43	493012	218.366	ug/l	98
17) Carbon Disulfide	4.700	76	392769	48.886	ug/l	100
18) Methyl Acetate	5.018	43	251510	53.204	ug/l	99
19) Methyl tert-butyl Ether	5.789	73	559156	51.073	ug/l	96
20) Methylene Chloride	5.259	84	169380	51.915	ug/l	98
21) trans-1,2-Dichloroethene	5.777	96	150688	47.641	ug/l	96
22) Diisopropyl ether	6.653	45	586973	51.430	ug/l	97
23) Vinyl Acetate	6.589	43	2720762	262.031	ug/l	100
24) 1,1-Dichloroethane	6.553	63	312297	49.907	ug/l	99
25) 2-Butanone	7.465	43	736530	247.962	ug/l	99
26) 2,2-Dichloropropane	7.471	77	241945	45.049	ug/l	100
27) cis-1,2-Dichloroethene	7.471	96	188277	49.792	ug/l	99
28) Bromochloromethane	7.794	49	141967	46.928	ug/l	98
29) Tetrahydrofuran	7.824	42	488962	255.790	ug/l	100
30) Chloroform	7.947	83	326935	51.187	ug/l	98
31) Cyclohexane	8.236	56	254359	48.759	ug/l	98
32) 1,1,1-Trichloroethane	8.147	97	269999	49.881	ug/l	98
36) 1,1-Dichloropropene	8.353	75	212554	48.367	ug/l	98
37) Ethyl Acetate	7.547	43	299305	49.841	ug/l	98
38) Carbon Tetrachloride	8.341	117	228035	52.556	ug/l	94
39) Methylcyclohexane	9.583	83	237266	49.040	ug/l	99
40) Benzene	8.588	78	689118	51.126	ug/l	97

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 Quant Title : SW846 8260
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.759	41	157341	50.581	ug/l	98
42) 1,2-Dichloroethane	8.647	62	265435	51.245	ug/l	99
43) Isopropyl Acetate	8.671	43	496972	53.007	ug/l	100
44) Trichloroethene	9.330	130	150326	48.849	ug/l	100
45) 1,2-Dichloropropane	9.600	63	181385	51.053	ug/l	99
46) Dibromomethane	9.688	93	131432	51.984	ug/l	100
47) Bromodichloromethane	9.871	83	269269	51.966	ug/l	98
48) Methyl methacrylate	9.659	41	230418	51.958	ug/l	99
49) 1,4-Dioxane	9.683	88	65403	1137.838	ug/l #	100
51) 4-Methyl-2-Pentanone	10.424	43	1519980	268.704	ug/l	100
52) Toluene	10.606	92	428838	51.320	ug/l	99
53) t-1,3-Dichloropropene	10.812	75	279061	52.029	ug/l	95
54) cis-1,3-Dichloropropene	10.294	75	281804	50.601	ug/l	99
55) 1,1,2-Trichloroethane	10.994	97	168292	52.062	ug/l	96
56) Ethyl methacrylate	10.853	69	278477	53.906	ug/l	97
57) 1,3-Dichloropropane	11.141	76	299666	52.381	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.141	63	733548	262.345	ug/l	99
59) 2-Hexanone	11.177	43	1035067	289.527	ug/l	99
60) Dibromochloromethane	11.335	129	191301	51.074	ug/l	99
61) 1,2-Dibromoethane	11.447	107	177756	52.150	ug/l	100
64) Tetrachloroethene	11.082	164	123235	46.898	ug/l	96
65) Chlorobenzene	11.871	112	459918	48.810	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.935	131	159957	51.134	ug/l	98
67) Ethyl Benzene	11.941	91	830898	50.930	ug/l	99
68) m/p-Xylenes	12.047	106	622266	104.001	ug/l	99
69) o-Xylene	12.376	106	299935	51.152	ug/l	100
70) Styrene	12.388	104	528007	53.749	ug/l	98
71) Bromoform	12.559	173	127999	53.353	ug/l #	97
73) Isopropylbenzene	12.676	105	764402	48.762	ug/l	99
74) N-amyl acetate	12.506	43	288146m	48.504	ug/l	
75) 1,1,2,2-Tetrachloroethane	12.918	83	273809	50.733	ug/l	100
76) 1,2,3-Trichloropropane	12.971	75	218078m	47.937	ug/l	
77) Bromobenzene	12.959	156	181395	49.077	ug/l	98
78) n-propylbenzene	13.012	91	971091	50.292	ug/l	99
79) 2-Chlorotoluene	13.106	91	568887	48.958	ug/l	100
80) 1,3,5-Trimethylbenzene	13.153	105	663897	49.923	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.718	75	87271	50.786	ug/l	85
82) 4-Chlorotoluene	13.200	91	595862	48.773	ug/l	100
83) tert-Butylbenzene	13.418	119	552700	49.875	ug/l	99
84) 1,2,4-Trimethylbenzene	13.459	105	675868	50.770	ug/l	100
85) sec-Butylbenzene	13.594	105	822520	50.016	ug/l	100
86) p-Isopropyltoluene	13.706	119	673722	49.613	ug/l	100
87) 1,3-Dichlorobenzene	13.712	146	355974	48.906	ug/l	99
88) 1,4-Dichlorobenzene	13.788	146	363845	48.034	ug/l	99
89) n-Butylbenzene	14.035	91	659770	48.920	ug/l	100
90) Hexachloroethane	14.306	117	129507	50.058	ug/l	98
91) 1,2-Dichlorobenzene	14.082	146	343418	49.732	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.700	75	62123	48.455	ug/l	98
93) 1,2,4-Trichlorobenzene	15.365	180	199944	48.218	ug/l	98
94) Hexachlorobutadiene	15.470	225	68365	46.245	ug/l	98
95) Naphthalene	15.612	128	727864	49.557	ug/l	100
96) 1,2,3-Trichlorobenzene	15.812	180	191065	47.133	ug/l	97

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(#) = qualifier out of range (m) = manual integration (+) = signals summed

